

INDEX TO VOLUME XXXI

A

- Abbott, Clinton G., watching long-crested jays, 124; Ross gulls for dinner, 132; house finch vacillation, 225; woodpecker perching on a wire, 252
- Accipiter cooperii*, 77, 85, 113, 130, 224
velox, 25, 78, 112
- Acridotheres tristis*, 19
- Aechmophorus occidentalis*, 62, 129
- Aëronauts melanoleucus*, 26
- Agelaius phoeniceus*, 80
phoeniceus fortis, 28
phoeniceus nevadensis, 220
phoeniceus sonoriensis, 220
- Aimophila carpalis*, 219
ruficeps eremoea, 248
- Aix sponsa*, 36
- Ammodramus savannarum bimaculatus*, 220
- Amphispiza bilineata deserticola*, 29, 77
nevadensis nevadensis, 29
- Anas platyrhynchos*, 24, 129
- Anhinga*, 168
- Anser albifrons*, 173
albifrons albifrons, 173
albifrons gambelli, 173
frontalis, 173
gambelli, 173
- Anthony, A. W., a record of the red-breasted goose in California, 181
- Anthus rubescens*, 30, 77
- Aphelocoma woodhousei*, 28
- Aquila chrysaëtos*, 25, 85, 127, 253
- Aramides albiventris*, 33
mexicanus, 33
plumbeicollis, 33
plumbeicollis pacificus, 34
vanrossemi, frontispiece, description, 33
- Archibuteo ferrugineus*, 25
- Archilochus alexandri*, 78
- Ardea herodias*, 24
herodias hyperonca, 37, 66
- Arenaria melanocephala*, 73
- Asio flammeus*, 26, 115
wilsonianus, 25, 85, 115
- Astragalinus psaltria hesperophilus*, 251
tristis salicamans, 251
- Astur atricapillus*, 113
- Asturina plagiata*, 219
- Asyndesmus lewisi*, 26, 130, 224, 233, 252
- Auriparus flaviceps*, 232
flaviceps flaviceps, 77
- Avocet, American, 67
- B
- Baeolophus inornatus griseus*, 32, 77
wollweberi, 77
- Bailey, Alfred M., additional notes from Cape Prince of Wales, Alaska, 224
- Balanosphyra*, 224
formicivora bairdi, 160
- Baldpate, 24, 65
- Bancroft, Griffing, notes on oometry, 157
- Bassett, Frank N., slate-colored fox sparrow at Alameda, California, 127; a male linnet in female plumage, 131
- Belcher, W. J., fragmentary notes on bird life in the Fijis, 19
- Bergtold, W. H., a fearless great horned owl, 222
- Bickford, E. L., notes from Napa Valley, 35
- Bittern, American, 79
Least, 78
- Bluebird, 48
Mountain, 32, 121
- Blackbird, Brewer, 28, 80
Red-winged, 80, 113, 114, 134
Yellow-headed, 28
- Bolander, L. Ph., unusual nesting site of ash-throated flycatcher, 249
- Bolander, L. Ph., and Chas. A. Bryant, flying defense of a golden eagle, 253
- Bombycilla cedrorum*, 130
- Botaurus lentiginosus*, 66, 79
- Brant, Black, 225
Black Sea, 66
Red-necked, 182
- Branta canadensis*, 24
nigricans, 66, 225
ruficollis, 181
- Brooks, Allan, on pellets of hawks and owls, 222
- Bubo virginianus*, 74, 115, 222
virginianus pacificus, 85
virginianus pallascens, 26, 77, 128
- Buffle-head, 115
- Bush-tit, 232
- Buteo borealis calurus*, 25, 77, 85, 113, 253
lagopus sancti-johannis, 114
lineatus elegans, 82
swainsoni, 25, 114, 219
- Buzzard, Turkey, 21, 36, 76
- C
- Calamospiza melanocorys*, 77
- Calidris alba*, 70
- Callipepla squamata*, 219
- Calypte anna*, 78, 128, 232
costae, 130, 230
- Canterbury, Robert H., early nesting of the Anna hummingbird at Santa Barbara, California, 128
- Cardinal, 58

- Cardinalis cardinalis* *superbus*, 77; 219
Carpodacus, 221
 cassini, 131
 mexicanus, 232
 mexicanus frontalis, 28, 77, 131, 132, 221, 225, 251
 purpureus californicus, 77, 131, 221
 Carter, Edwin, a biography of, 196
 portrait of, 197
Casmerodius albus egretta, 67
Catharista urubu, 76
Cathartes aura, 36
 aura septentrionalis, 21, 77
Catoptrophorus semipalmatus inornatus, 70
Centrocerus urophasianus, 25
Centurus uropygialis, 77
Ceryle alcyon, 26, 37
Chaemepelia passerina pallescens, 77
Chaetura vauxi, 183, 184
Charadrius nivosus nivosus, 73
 semipalmatus, 73
Charitonetta albeola, 66
Chen caerulescens, 146
 Chickadee, 48
 Bailey Mountain, 227
 Mountain, 32
 Plumbeous, 58
Chondestes grammacus strigatus, 28, 37, 77
Chordeiles acutipennis texensis, 223
 virginianus howelli, 26
Chrysoenas luteovirens, 20
Circus hudsonius, 25, 112
Clangula hyemalis, 225
Colaptes cafer, 232
 cafer collaris, 26, 77
 chrysoides mearnsi, 77, 220
Colinus ridgwayi, 219
Colymbus nigricollis californicus, 37, 63, 80, 81
 Condor, 23
 Cooper Ornithological Club, regular minutes of, 42, 83, 137, 184, 228, 254; fourth annual meeting, minutes of, 186
Coot, 25, 66, 113, 115, 129
 North American, 67
Coragyps urubu, 37
Cormorant, Baird Pelagic, 65
 Brandt, 65, 167, 169
 Calabassas, 170
 Double-crested, 128
 Farallon, 65, 169, 170
 Farallon Double-crested, 64
Corthylio calendula, 36
Corvus brachyrhynchos hesperis, 28
 corax sinuatus, 28, 37, 219
 cryptoleucus, 219
 Cottam, Clarence, a shower of grebes, 80; the status of the ring-necked pheasant in Utah, 117
 Cowbird, 18, 248
 Dwarf, 18
 Crane, 184
 Whooping, 146, 147
Creciscus jamaicensis coturniculus, 252
 Crow, Western, 28
Cryptoglaux acadica, 115
 funerea richardsoni, 200
 Curlew, Bristle-thighed, 19
 Hudsonian, 71
 Long-billed, 71, 72
 Currier, Ed. S., least bittern near Portland, Oregon, 78; lesser yellow-legs in Willamette Valley, Oregon, 80
Cyanocephalus cyanocephalus, 28
Cyanocitta stelleri diademata, 124
- D**
- Dafila acuta*, 24
 acuta acuta, 225
 acuta tzitzihua, 65, 80, 129
Dendroica aestiva, 30, 37, 219
 auduboni, 36, 250
 auduboni auduboni, 30, 77
 coronata, 30
 nigrescens, 30
 occidentalis, 79
 townsendi, 79
 Dickey, Donald R., a new wood rail from El Salvador, 33
 Dove, Golden Fruit, 20
 Mourning, 25, 37, 125, 184
 Ringed Turtle, 130, 131
 Western Mourning, 36
 Dowitcher, 68, 69, 71, 72, 224
 Long-billed, 67
Dryobates scalaris cactophilus, 219
 Duck, American Pintail, 65
 Buffle-head, 66
 Harlequin, 66
 Lesser Scaup, 66
 Pintail, 80
 Ruddy, 66
 Shoveller, 65, 224
 Wood, 36
 Dunlin, Red-backed, 69
- E**
- Eagle, 110
 Bald, 222
 Golden, 25, 85, 92, 99, 106, 127, 253
 Egret, American White, 67
Egretta thula, 251
 Eider, 11
 Steller, 7
Elanus leucurus, 36, 181
Empidonax difficilis, 36
 griseus, 27
 wrightii, 26, 27

Ereunetes mauri, 70
 Erismatura jamaicensis, 66
 Euphagus cyanocephalus, 28, 80

F

Falco columbarius columbarius, 78
 columbarius suckleyi, 114
 mexicanus, 25, 69, 77, 114
 peregrinus anatum, 37
 sparverius, 115
 sparverius phalaena, 25, 77, 85, 130
 Falcon, Prairie, 25, 69, 112, 114
 Finch, California Purple, 77, 131
 Cassin Purple, 131
 House, 28, 125, 131, 163, 225, 251
 Flicker, 147, 232, 238
 Red-shafted, 26, 115, 128, 184
 Florida caerulea, 251
 Flycatcher, Ash-throated, 26, 80, 182, 249
 Gray, 27
 Lawrence, 253
 Vermilion, 75
 Western, 26
 Wright, 26
 Frigate Bird, 37
 Fulca americana, 25, 129
 americana americana, 67

G

Gallinago delicata, 130
 Gander, Frank F., the Cassin purple finch
 in San Diego, 131; notes on the
 food and feeding habits of certain
 birds, 250
 Gavia immer, 63
 pacific, 37, 200
 Geococcyx californianus, 77, 80
 Geothlypis trichas, 37
 trichas occidentalis, 30, 36
 Glaucidium gnoma, 116
 Glaucionetta islandica, 74, 200
 Gnatcatcher, Blue-gray, 44
 Western, 32, 36, 79
 Godwit, 19, 67, 68, 72
 Marbled, 70, 71
 Golden-eye, Barrow, 74, 200
 Goldfinch, Green-backed, 251
 Willow, 251
 Goose, Blue, 146, 147
 Cackling, 11
 Canada, 24
 Emperor, 11
 Red-breasted, 181
 Tule, 175
 Goshawk, 113
 Grebe, American Eared, 63
 Eared, 37, 80
 Pied-billed, 63
 Western, 62, 63, 129
 Grinnell, J., ringed turtle dove at large
 in Los Angeles, 130; review of

Chapman's the nesting habits of
 Wagler's oropendola, 134; a new
 race of hummingbird from south-
 ern California, 226

Grinnell, Joseph, and Richard Hunt, notes
 on water birds at Morro Bay, Cali-
 fornia, 62
 Grosbeak, Black-headed, 251
 Evening, 113, 254
 Grouse, Blue, 113
 Dusky, 254
 Ruffed, 113
 Sharp-tailed, 113
 Grus americana, 146
 Guiraca caerulea interfusa, 219
 Gull, Bonaparte, 37, 129, 250
 California, 63, 128, 129, 200, 245, 250
 Glaucous, 11
 Glaucous-winged, 250
 Heermann, 37, 63
 Herring, 200
 Laughing, 141, 142
 Ring-billed, 63, 245
 Ross, 132
 Short-billed, 11, 44
 Western, 63, 159
 Gymnogyps californianus, 23

H

Hanna, Wilson C., vermilion flycatcher
 breeding in Coachella, California,
 75
 Hawk, American Duck, 37
 American Rough-legged, 114
 Black Pigeon, 114
 Cooper, 87, 103, 110, 111, 113, 130
 Desert Sparrow, 25, 85, 128, 130
 Duck, 73, 112
 Ferruginous Rough-leg, 25
 Marsh, 25, 112, 222
 Pigeon, 114, 138
 Red-tail, 89, 92, 110, 247
 Sharp-shinned, 25, 35, 112, 113
 Sparrow, 98, 99, 100, 110, 115
 Swainson, 25, 112, 114
 Western Red-tail, 25, 85, 89, 97, 103,
 113, 114, 253
 Hedymeles melanocephalus, 251
 Heleodytes brunneicapillus couesi, 77
 Hendee, Russell W., notes on birds ob-
 served in Moffat County, Colorado,
 24
 Henderson, A. D., bears and hawks' nests,
 74
 Hen, Sage, 25
 Heron, 154
 Black-crowned Night, 67
 California Great Blue, 37, 66
 Great Blue, 24
 Little Blue, 252
 Louisiana, 252

- Heteroscelus incanus*, 70
Hirundo erythrogaster, 29, 77
Histrionicus histrionicus, 66
 Hornbill, 185
 Howard, Hildegard, additional bird records from the Pleistocene of Rancho La Brea, 251
 Howard, Ozra W., resolutions on death of, 84
 Hummingbird, 190, 221
 Allen, 226
 Anna, 128, 138, 231, 232
 Black-chinned, 231
 Broad-tailed, 26
 Calliope, 200
 Costa, 130, 230, 231
 Non-migratory Allen, 226
 Ruby-throated, 230
 Hunt, Richard, and Joseph Grinnell, notes on water birds at Morro Bay, California, 62
Hydranassa tricolor, 251
Hylocichla guttata, 77

I

- Ibis, white-faced Glossy, 129
Icterus cucullatus nelsoni, 232, 250
 parisorum, 232
Iridoprocne bicolor, 75, 225
Ixobrychus exilis, 78

J

- Jaeger, 10
 Parasitic, 63, 129
 Jay, California, 77
 Long-crested, 124, 125
 Pinyon, 28
 Woodhouse, 28
 Jewett, Stanley G., Allen hummingbird in Oregon, 226
 Junco, 57, 143, 254
 Gray-headed, 29
 Oregon, 113, 114
 Pink-sided, 29
 Shufeldt, 29, 244
Junco hyemalis mearnsi, 29
 hyemalis shufeldti, 29
 oreganus shufeldti, 77
 phaeonotus caniceps, 29

K

- Kelso, Leon, the English sparrow and the western horned owl, 128
 Kibbe, Bessie W., California black rail in Marin County, California, in August, 252
 Killdeer, 25, 54, 56, 127, 224
 Northern, 72
 Kingbird, Arkansas, 26
 Western, 100
 Kingfisher, 113
 Belted, 26, 37

- Kinglet, Golden-crowned, 113
 Ruby-crowned, 32, 36, 43, 138
 Kite, White-tailed, 36, 138, 181
 Kuroda, Nagamichi, on the subspecific validity of *Anser gambelli* Hartlaub, 173

L

- Lamb, Chester C., land birds of a Pacific coast sea voyage, 36
Lanius ludovicianus excubitorides, 30, 77
Laphytes satrapa, 182
 Lark, Desert Horned, 28
Larus argentatus, 200
 atricilla, 141
 californicus, 63, 129, 200, 250
 delawarensis, 63
 glaucescens, 250
 heermanni, 37, 63
 livens, 159
 occidentalis, 63, 159
 occidentalis livens, 159
 occidentalis wymani, 159
 philadelphia, 37, 129, 250
 Law, J. Eugene, down-tree progress of *Sitta pygmaea*, 45; the function of the oil-gland, 148; the role of the runt: a taxonomic problem, 189; the spring molt in *Zonotrichia*, 208; a discussion of faunal influences in southern Arizona, 216; another Lewis woodpecker stores acorns, 233
 Leach, Frank A., a turkey buzzard roost, 21
Limnodromus griseus, 223
 griseus scolopaceus, 67
Limosa fedoa, 70
 Lincoln, Frederick C., in memoriam—Edwin Carter, 196
 Linnet, 131, 189, 221, 244
 California, 132, 232
 Linsdale, Jean M., review of Nicholson's birds in England, 135; roadways as they affect bird life, 143
Lobipes lobatus, 67
 Lofberg, Lila M., when a nutcracker becomes tame, 201
 Loon, Common, 63
 Pacific, 37, 200
Lophodytes cucullatus, 127, 224
Lophortyx gambelii, 77
 gambelii gambelii, 219

M

- Magpie, 28, 113, 128
 Black-billed, 138
 Mailliard, Joseph, audacity of a sharp-shinned hawk, 35; golden-crowned sparrow without the gold, 37; glean-

- ings from recent bird banding, 192;
reaction toward capture among certain sparrows, 239
- Mallard, 24, 129, 244, 245, 247
- Mareca americana, 24, 65
- McCabe, Thomas T. and Elinor Bolles, British Columbia records of certain unusual sparrows, 35; economic status of the pine siskin, 126
- Meadowlark, 147
Western, 28, 77, 130
- Meadows, Don, notes on the avifauna of Santa Catalina Island, 129
- Melanitta deglandi, 66
perspicillata, 66
- Melospiza asiatica Trudeaui, 219
- Melospiza georgiana, 35
lincolni lincolni, 29
melodia gouldii, 239
melodia montana, 29
melodia morphna, 181
melodia saltonis, 220
- Merganser, Hooded, 127, 224
Red-breasted, 65, 224, 225
- Mergus serrator, 65, 224, 225
- Micropallas whitneyi, 252
whitneyi whitneyi, 219
- Miller, Alden H., a new race of black-chinned sparrow from the San Francisco Bay district, 205; additions to the Rancho La Brea avifauna, 223
- Miller, Loye, a new cormorant from the Miocene of California, 167; the song of cage-bred linnets, 221; the elf owl in western Arizona, 252
- Miller, Loye, Walter P. Taylor and H. S. Swarth, some winter birds at Tucson, Arizona, 76
- Miller, Loye, and A. J. van Rossem, nesting of the laughing gull in southern California, 141
- Mimus polyglottos leucopaterus, 77
- Mockingbird, 43, 83, 184
- Munro, J. A., the horned owl an enemy of Barrow golden-eye?, 74; male tree swallow feeding nestling robins, 75; evidence of a barn swallow returning to the same nesting site, 77; on the courtship of the American bittern, 79; blackbirds feeding on the forest tent caterpillar, 80; notes on the food habits of certain Raptores in British Columbia and Alberta, 112
- Murie, O. J., nesting of the snowy owl, 3
- Murre, 223
California, 132
- Myadestes townsendi, 32
- Myiarchus cinerascens cinerascens, 26, 80, 249
tuberculifer magister, 220
- Mynah, Indian, 19
- N
- Nelson, E. W., the whooping crane continues to visit Louisiana, 146
- Nettion carolinense, 24, 65, 127
- Nice, Margaret Morse, the fortunes of a pair of Bell vireos, 13; the Harris sparrow in central Oklahoma, 57; eight-mile censuses in 1927, 79; vocal performances of the rock sparrow in Oklahoma, 248
- Nighthawk, Howell, 26
Texas, 223
- Nucifraga columbiana, 28, 201
- Numenius americanus, 71
- Nutcracker, 201
Clark, 28
- Nuthatch, 32, 48
Pigmy, 45
Rocky Mountain, 32
- Nyctea nyctea, 3, 115
- Nycticorax nycticorax, 252
nycticorax naevius, 67
- Nyroca affinis, 66
- O
- Oberholseria chlorura, 29
- Oidemia americana, 225
- Oil-gland, function of, 148
- Old-squaw, 224
- Oometry, notes on, 157
- Oriole, Arizona Hooded, 134, 232, 250, 251
Bullock, 144
Scott, 232
- Oropendola, 134
- Oroscoptes montanus, 30
- Osprey, American, 80
- Otocoris alpestris adusta, 219
alpestris leucolaema, 28
- Otus asio, 115, 224
asio gilmani, 77
asio macfarlanei, 115
asio quercinus, 85, 128
- Owl, American Hawk, 116
Barn, 85, 101, 103, 105, 110, 247
Burrowing, 36, 38, 116
Elf, 252, 253
Great Horned, 115, 222
Horned, 74, 110, 222
Kennicott Screech, 115
Long-eared, 25, 85, 103, 105, 108, 110, 115, 222, 247
Macfarlane Screech, 115
Pacific Horned, 85, 103, 104, 108, 110
Pasadena Screech, 128
Pigmy, 116
Richardson, 200
Saw-whet, 115

- Screech, 106, 108, 110, 115, 127
 Short-eared, 11, 26, 115
 Snowy, 3, 115, 223
 Southern California Screech, 85
 Western Horned, 26, 28
 White, 20
Oxyechus vociferus, 25, 77, 127, 224
vociferus vociferus, 72

P

- Pandion haliaëtus carolinensis*, 80
 Parakeet, Pennant, 40
 Partridge, European Gray, 113, 114, 115
Passerculus sandwichensis alaudinus, 28, 36
Passer domesticus, 29, 128, 130
Passerella iliaca schistacea, 29, 127
Passerherbulus lecontei, 200
Pelecanus erythrorhynchos, 65
occidentalis californicus, 65
 Pelican, American White, 65
 California Brown, 65
Pelidna alpina sakhalina, 69
 Pemberton, J. R., some new records for
 Santa Barbara Island, 37
Penthestes gambeli baileyae, 227
gambeli gambeli, 32
Petrochelidon lunifrons lunifrons, 29, 220
lunifrons melanogaster, 220
 Pewee, Western Wood, 76
Phainopepla, 232
Phainopepla nitens, 77, 232
Phalacrocorax auritus albociliatus, 64
auritus auritus, 128
femorialis, 167
pelagicus, 167
pelagicus resplendens, 65
penicillatus, 65, 167, 170
Phalaenoptilus nuttallii, 35
nuttallii californicus, 79, 181, 223
nuttallii nuttallii, 26
Phalaropus fulicarius, 67
Phalarope, Northern, 67
 Red, 67
 Wilson, 25
Phasianus colchicus torquatus, 117
 Pheasant, Ring-necked, 113, 117, 121
 Phoebe, Black, 130, 251
 Say, 26
Pica pica hudsonia, 28
 Pickens, A. L., hummingbird flower lists,
 221; bird pollination problems in
 California, 229
 Pierce, Wright M., bird notes from Big
 Bear Lake, San Bernardino Moun-
 tains, during the summer of 1928,
 79; hooded merganser at Baldwin
 Lake, San Bernardino Mountains,
 California, 224
 Pigeon, Band-tailed, 184
 Pintail, 24, 65, 112, 244
 Asiatic, 225
Pipilo fuscus mesoleucus, 77
maculatus montanus, 29
 Pipit, 30
Piranga ludoviciana, 35, 130, 232
rubra cooperi, 219
Pisobia bairdii, 68
maculata, 68
minutilla, 25, 69
Planesticus migratorius propinquus, 32
Platycercus elegans, 40
Plegadis guarauna, 129
 Plover, American Golden, 72
 Black-bellied, 72
 Golden, 19
 Semipalmated, 73
 Snowy, 68
 Western Snowy, 73
Pluvialis dominica dominica, 72
dominicus fulvus, 19
Podilymbus podiceps, 63
Polioptila caerulea amoenissima, 77
caerulea obscura, 32, 36, 79
melanura melanura, 77, 219
Poocetes gramineus confinis, 28
 Poor-will, Dusky, 79, 181, 223
 Nuttall, 35
 Prize in western ornithology, 40
Protocalliphora splendida, 227
Psaltiriparus minimus, 232
Ptarmigan, 11, 186
 Rock, 12
Pyrocephalus rubinus mexicanus, 75
Pyrrhuloxia sinuata sinuata, 77, 219

Q

- Quail, California, 113
 Mearns, 253
 Mexican, 184
Querquedula cyanoptera, 24, 65
 discors, 24

R

- Rail, Black, 43
 California Black, 252
 California Clapper, 42, 43, 52, 184
 Clapper, 213
 El Salvador Wood, frontispiece, 33
 Virginia, 67
Rallus beldingi, 213, 214, 215
elegans var. obsoletus, 214
levipes, 213, 214, 215
obsoletus, 52, 214, 215
obsoletus beldingi, 214
obsoletus levipes, 214
obsoletus obsoletus, 214
obsoletus yumanensis, 215
yumanensis, 213, 215
virginianus, 67
 Raven, 28, 37, 77
Recurvirostra americana, 67

- Red-wing, Thick-billed, 28
Regulus calendula, 32
 calendula calendula, 77
Rhodostethia rosea, 132
 Richards, Edward Bruce, notice of death
 of, 40
 Ridgwav, Robert, resolutions on the death
 of, 139, 185
Riparia riparia, 30
 Ritter, Wm. E., an untilled field for a re-
 vised kind of research in zoology,
 160
 Road-runner, 80
 Robertson, John McB., some observations
 on the feeding habits of the bur-
 rowing owl, 38; the white-tailed
 kite in Orange County, California,
 181; some results of bird banding
 in 1928, 242
 Robin, 190
 American, 254
 Western, 32, 43, 76, 113, 138, 147
 Rowley, J. Stuart, California purple finch
 nesting in Alhambra, Los Angeles
 County, California, 77; the Pasa-
 dena screech owl near Victorville,
 San Bernardino County, California,
 127

S

- Salpinctes obsoletus*, 30, 77
 Sanderling, 70
 Sandpiper, Baird, 67, 68
 Least, 25, 67, 68, 69
 Pectoral, 42, 68
 Red-backed, 69
 Western, 69, 70
 Western Solitary, 25
 Sapsucker, Red-breasted, 138, 160
 Sayornis nigricans, 77, 130, 251
 sayus, 26, 77
 Scardafella inca, 219
 Scoter, American, 225
 Surf, 66
 White-winged, 66
Selasphorus alleni, 226
 alleni alleni, 226, 227
 alleni sedentarius, 226, 227
 platycercus, 26
 Sherwood, Wm. E., immature song spar-
 row in full song, 181
 Shore lark, 147
 Shrike, California, 38
 White-rumped, 30
Sialia currucoides, 32, 131
 mexicana bairdi, 77
 Siskin, Pine, 114, 126, 232, 244, 251
Sitta carolinensis nelsoni, 32, 77
 pygmaea, 45, 48
 Skinner, M. P., double-crested cormorant
 in Yellowstone National Park, 128
 Snipe, 19
 Wilson, 130
 Solitaire, Townsend, 32
 Sparrow, Baird, 112
 Bell, 205
 Black-chinned, 188, 205
 Brewer, 28
 Clay-colored, 30
 Desert, 29
 English, 29, 57, 58, 128, 130
 Fox, 43, 57, 113
 Gambel, 28, 208, 244
 Gambel White-crowned, 43
 Golden-crowned, 37, 43, 194, 208, 239,
 244
 Harris, 35, 57, 58, 60, 83
 Leconte, 200
 Lincoln, 29, 57
 Marin Song, 239
 Mountain Song, 29
 Nevada Sage, 29
 Nuttall, 192, 239, 244
 Rock, 248
 Rufous-crowned, 205
 Rusty Song, 181
 San Francisco Black-chinned, 206
 Savannah, 115
 Slate-colored Fox, 29, 127
 Song, 57, 77, 157, 248
 Swamp, 35
 Tree, 57
 Western Chipping, 28
 Western Lark, 28, 37
 Western Savannah, 28, 36
 Western Vesper, 28
 White-crowned, 28, 58, 138
 White-throated, 35, 60, 138
Spatula clypeata, 224
Speotyto cunicularia hypugaea, 36, 38, 116
Sphyrapicus varius nuchalis, 77
Spinus pinus, 126, 232, 251
Spizella atrogularis, 205
 atrogularis atrogularis, 207
 atrogularis cana, 206, 207
 atrogularis caurina, 206, 207
 breweri, 29
 pallida, 35
 passerina arizonae, 28
Squatarola squatarola, 72
Steganopus tricolor, 25
Stelgidopteryx serripennis, 30
Stellula calliope, 200
Stercorarius parasiticus, 10, 63, 129
Sterna forsteri, 64
 hirundo, 64
 maxima, 37
 paradisaea, 64
 Stevenson, J., hooded merganser at Salton
 Sea, California, 127; California
 murre in Orange County, Califor-
 nia, 132

- Storer, Tracy I., *Protocalliphora* in the nest of a mountain chickadee, 227
Streptopelia risoria, 130
Strix lulu, 20
Sturnella magna hoopesi, 219
neglecta, 28, 130, 219
 Sumner, E. L., Jr., comparative studies in the growth of young *Raptores*, 85;
 golden eagle in Death Valley, 127
 Surf-bird, 44
Surnia ulula caparoch, 116
 Swallow, Bank, 29, 30
 Barn, 29, 77
 Northern Violet-green, 29
 Rough-winged, 29, 30
 Tree, 75, 76, 225
 Violet-green, 37, 154
 Swift, White-throated, 26, 29
 Swarth, H. S., the meeting of the American Ornithologists' Union, 41; review of Bailey's the birds of New Mexico, 82
 Swarth, H. S., Loye Miller, and Walter P. Taylor, some winter birds at Tucson, Arizona, 76

T

- Tachycineta thalassina*, 37
thalassina lepida, 29
 Tanager, Western, 35, 130, 232
 Tattler, Wandering, 42, 67, 70
 Taylor, Walter P., Loye Miller, and H. S. Swarth, some winter birds at Tucson, Arizona, 76
 Teal, Blue-winged, 24
 Cinnamon, 24, 65
 Green-winged, 24, 65, 127, 138
Telmatodytes palustris plesius, 31
 Tern, Arctic, 64
 Caspian, 37, 141, 142
 Common, 64
 Elegant, 64
 Forster, 64
 Gull-billed, 141
 Royal, 63, 64
Thalasseus elegans, 64
maximus, 63
 Thrasher, Brown, 15
 Sage, 30
 Thrush, Russet-backed, 116
 Varied, 43, 113
Thryomanes bewickii bairdi, 30
bewickii eremophilus, 77
 Titmouse, Gray, 32, 77
Totanus flavipes, 80
melanoleucus, 70
 Towhee, Green-tailed, 29
 Oregon, 113
 Spurred, 29
Toxostoma bendirei, 220

- curvirostra curvirostra*, 220
curvirostre palmeri, 77
Tringa solitaria cinnamomea, 25
Troglodytes aëdon parkmanii, 31, 77
Turdus migratorius propinquus, 76, 77
 Turnstone, Black, 69, 73
Tyrannus couchii, 182
 melancholicus occidentalis, 182
 melancholicus satrapa, 182
 verticalis, 26, 100
Tyto alba pratincola, 85

U

- Umbrette, 185
 Unglish, W. E., the Texas nighthawk in Santa Clara County, California, 223
Uria troille californica, 132

V

- Van Rossem, A. J., a record of *Tyrannus melancholicus occidentalis* for the state of Washington, 182; the status of some Pacific coast clapper rails, 213
 Van Rossem, A. J., and Loye Miller, nesting of the laughing gull in southern California, 141
 Verdin, 232
Vermivora celata, 30
 luciae, 219
 virginiae, 30
Vireo bellii, 219
 bellii bellii, 13
Vireo, Bell, 13, 17
 Red-eyed, 13
 Warbling, 13
 White-eyed, 13
Vulture, Black, 23, 37, 76, 83
 Turkey, 21, 83

W

- Warbler, Audubon, 30, 36, 43, 138, 250, 251
 Black-throated Gray, 30, 43
 Hermit, 43
 Myrtle, 30
 Orange-crowned, 30
 Tolmie, 43
 Virginia, 30
 Yellow, 30, 37
 Waxwing, Bohemian, 40
 Cedar, 130
 Werner, Selma, poor-will noted in San Francisco County, California, 181
 Weydemeyer, Winton, mountain bluebirds winter in Montana, 131
 Wheeler, Roswell Samuel, notice of death of, 253
 Widgeon, European, 43, 138

- Willet, Western, 70, 71
Williams, Laidlaw, notes on the feeding habits and behavior of the California clapper rail, 52
Woodpecker, California, 160, 161, 166, 233, 235
 Gairdner, 113
 Lewis, 26, 128, 130, 224, 233, 252
 Pileated, 147
 Red-headed, 144
Woodward, C. H., long breeding period in captive mourning doves, 125
Wren, Baird, 30
 Carolina, 144
 Rock, 30
 Western House, 31
 Western Marsh, 31
 Winter, 43
Wythe, Margaret W., the E. B. Richards collection of birds: changes in names, 78
- X
- Xanthocephalus xanthocephalus, 28
- Y
- Yellow-legs, Lesser, 80
 Greater, 70, 113
Yellowthroat, 36, 37
 Western, 30
- Z
- Zarhynchus wagleri, 134
Zenaidura macroura, 25, 125, 224
 macroura marginella, 36, 77
Zonotrichia albicollis, 35, 208, 209
 coronata, 37, 194, 208, 209, 210, 239
 gambelii, 77, 208, 209, 210
 leucophrys, 208, 209
 leucophrys gambelii, 28, 79
 leucophrys leucophrys, 28, 79
 leucophrys nuttalli, 192, 239
 leucophrys pugetensis, 244
 querula, 35, 57, 58, 208, 209